

Attorney/Docket No. 36697.7
Customer No. 000027683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IPW

In the application of: Elliott, et al.

§ Confirmation No.: 3318

Appl. No. 09/857,325

§ Examiner: Qian Janice Li

Filed: February 14, 2002

§ Group Art Unit: 1632

For: PREPARATION AND
XENOTRANSPLANTATION OF PORCINE ISLETS

§ Attorney Docket No.: 36697.7

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

Pursuant to the amendment to 37 CFR 1.98 (a)(2)(i), as stated in an OG Notice dated October 12, 2004, copies of the U.S. patent documents listed on the enclosed modified Form PTO-1449 are not attached.

This Information Disclosure Statement is being filed more than three months after the United States filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Action under §1.113 or Notice of Allowance under §1.311 (37 CFR §1.97(c)).

Accompanying this transmittal is the \$180.00 fee set forth in 37 CFR §1.17(p) for submission of an Information Disclosure Statement under §1.97(c).

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394, order number 36697.7.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

09/09/2005 EAYALEW1 00000010 081394 09857325

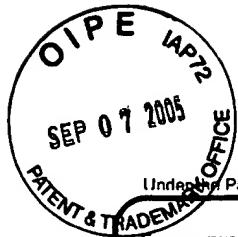
Respectfully submitted,

01 FC:1806 180.00 DA

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HAYNES AND BOONE, LLP
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H-562657

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Printed Name	<u>Holly Franco</u>
Signature	<u>Holly Franco</u>



PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known

Application Number	09/857,325
Filing Date	02/14/2002
First Named Inventor	Elliott
Examiner Name	Qian, Janice Li.
Art Unit	1632
Attorney Docket No.	36697.7

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____

Deposit Account Deposit Account Number: 08-1394 Deposit Account Name: Haynes and Boone, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100

Multiple dependent claims 360 180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)		
- 3 or HP =	x	=			

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

Fees Paid (\$)

\$180.00

SUBMITTED BY

Signature		Registration No. 42,903 (Attorney/Agent)	Telephone 713-547-2000
Name (Print/Type)	Mark D. Moore, Ph.D.		Date September 1, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

In place of PTO-1449 Form	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>				Application Number	09/857,325
				Filing Date	February 14, 2002
				Applicant(s)	Elliott
				Art Unit	1632
				Examiner Name	Q. Janice Li
SHEET <i>SEP 07 2005</i>	1	OF	6	Attorney Docket Number	36697.7

U. S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		5,389,535	02-14-1995	Aebischer, et al.
		5,516,681	05-14-1996	Naughton, et al.
		5,550,050	08-27-1996	Holland, et al.
		5,573,528	11-12-1996	Aebischer, et al.
		5,762,926	06-09-1998	Gage, et al.
		5,853,385	12-29-1998	Emerich, et al.
		5,869,463	02-09-1999	Major, et al.
		5,871,767	02-16-1999	Dionne, et al.
		5,898,066	08-27-1999	Benowitz, et al.
		5,968,829	10-19-1999	Carpenter
		6,001,647	12-14-1999	Peck et al.
		6,365,385	04-02-2002	Opara
		6,716,246B1 (Also Published As AU772166 (18057/00))	04-06-2004	Gonzalez

U. S. PATENT PUBLICATIONS

Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US 2003/0044391 A1	03-06-2003	Elliott et al.
		US 2004/0014212 A1	01-22-2004	Elliott et al.
		US 2004/0033216 A1	02-19-2004	Elliott et al.
		US 2004/0213768 A1	10-28-2004	Elliott et al.
		US 2005/0042746 A1	02-24-2005	Garkavenko
		US 2005/0106128 A1	05-19-2005	Elliott et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document (Country Code – Number – Kind)	Publication Date MM-DD-YYYY	Patentee or Applicant of Cited Document	Translation Y/N
		WO95/28167 (Also Published As EP0755258A1 JP9512015T)	10-26-1995	Research Corporation Technologies	
		WO97/07668 (Also Published As NZ316148)	03-06-1997	Roslin Institute	
		WO99/36565	07-22-1999	Human Genome Sciences, Inc.	
		WO99/46982	09-23-1999	Bresagen Limited	
		WO99/49734 (Also Published As AU32067/99 EP984699)	10-07-1999	Emory University	

Examiner Signature		Date Considered	
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				Art Unit	1632
				Examiner Name	Q. Janice Li
SHEET	2	OF	6	Attorney Docket Number	36697.7

	WO99/56770	11-11-1999	Chang, Patricia	No
	WO00/66188 A2 (Also Published As EP1176970A2)	11-09-2000	Diatranz Limited	No
	WO00/66188 A3 (Also Published As EP1176970A3)	11-09-2000	Diatranz Limited	
	WO01/52871 A1	07-26-2001	Diatranz Limited	
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	WO02/32437 A1	04-25-2002	Diatranz Limited	
	WO03/027270 A1 (Also Published As EP1438395A1)	04-03-2003	Diatranz Limited	
	WO03/039566 A2 (Also Published As EP1450831A2)	05-13-2003	Elliott, Robert Bartlett Skinner, Stephen John Martin	
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	AU 29135/99 (755743)		Relag Pty Ltd.; Garelag Pty Ltd.	
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	EP 0559307A1 (Also Published As NZ247062)	09-08-1993	W.R. Grace and Co.	
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	NZ 250834B	05-26-1997	Elliott, Robert Bartlett	
	NZ 337792	09-14-2000	Wells, David	
	NZ 502473	01-20-2000	Diatranz Limited	
	NZ 507616	10-17-2000	Elliott, Robert Bartlett	
	NZ 515310	11-07-2001	Elliott, Robert Bartlett Skinner, Stephen John Martin	

NON-PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city/country where published	
		BARNES <i>et al.</i> , "Influence of Recipient Oocyte Cell Cycle Stage on DNA Synthesis, Nuclear Envelope Breakdown, Chromosome Constitution and Development in Nuclear Transplant Bovine Embryos," <i>Mol. Reprod. Dev.</i> , 36 :33-41, 1993.	
		BEAL <i>et al.</i> , "Differential Sparing of Somatostatin-Neuropeptide Y and Cholinergic Neurons following Striatal Excitotoxin Lesions," <i>Synapse</i> , 3 (1):38-47, 1989.	
		BEATTIE <i>et al.</i> , "Regulation of Proliferation and Differentiation of Human Fetal Pancreatic Islet Cells by Extracellular Matrix. Hepatocyte Growth Factor, and Cell-Cell Contact," <i>Diabetes</i> , 45 :1223-1228, 1996.	

Examiner Signature		Date Considered	
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				Applicant(s)	Elliott
				Art Unit	1632
				Examiner Name	Q. Janice Li
				Attorney Docket Number	36697.7

	BOQUEST et al., "Flow Cytometric Cell Cycle Analysis of Cultured Porcine Fetal Fibroblast Cells," <i>Biol. Reprod.</i> , 60:1013-1019, 1999.
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Examiner Signature		Date Considered
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			Applicant(s)	Elliott	
			Art Unit	1632	
			Examiner Name	Q. Janice Li	
SHEET	4	OF	6	Attorney Docket Number	36697.7

	KITADA MASAAKI <i>et al.</i> "Axonal Regeneration in the Central Nervous System is Enhanced by Ependymal Cell Transplants," <i>Neosci. Research Supplement</i> , 22:S318, 1998. XP000960785 21 st Annual Meeting of the Japan Neuroscience Society and the First Joint Meeting of the Japan Neuroscience Society and the Japanese Society for Neurochemistry; Tokyo, Japan; September 21 – 23, 1998. ISSN: 0921-8696
	KOPYOV <i>et al.</i> , "Safety of Intrastriatal Neurotransplantation for Huntington's Disease Patients," <i>Experimental Neurology</i> , 149:97-108, 1998.
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	KORSGREN <i>et al.</i> , "Functional and Morphological Differentiation of Fetal Porcine Islet-Like Cell Clusters After Transplantation into Nude Mice," <i>Diabetologia</i> , 34: 379-386, 1991.
	KREWSON <i>et al.</i> , "Distribution of Nerve Growth Factor Following Direct Delivery to Brain Interstitium," <i>Brain Res.</i> , 680 (1-2):196-206, 1995.
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	LONDON <i>et al.</i> , "A Simple Method for the Release of Islets by Controlled Collagenase Digestion of the Human Pancreas," <i>Transplantation</i> , 49(6):1109-1113, June 1990.
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	SAKAMOTO <i>et al.</i> , "Improvement of Porcine Islet Culture with Porcine Serum," <i>Acta Diabetologica</i> , 34:128, 1997.

Examiner Signature		Date Considered
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			Art Unit	1632	
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		SALZBERG-BRENHOUSE <i>et al.</i> , "Inhibitors of Cyclooxygenase-2, but Not Cyclooxygenase-1 Provide Structural and Functional Protection against Quinolinic Acid-Induced Neurodegeneration," <i>J. Pharmacology and Experimental Therapeutics</i> , 306:218-228, 2003.
		SCHNIEKE <i>et al.</i> , "Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei From Transfected Fetal Fibroblasts," <i>Science</i> , 278:2130-2133, 1997.
		SEGAL, "The Choroid Plexuses and the Barriers Between the Blood and the Cerebrospinal Fluid," <i>Cell Mol. Neurobiol.</i> , 20(2):183-196, 2000.
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Examiner Signature		Date Considered
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In place of PTO-1449 Form	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	09/857,325	
SHEET	6	OF	6	Filing Date	February 14, 2002
				Applicant(s)	Elliott
				Art Unit	1632
				Examiner Name	Q. Janice Li
				Attorney Docket Number	36697.7

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	Co-pending United States Patent Application Serial Number 10/088,129 filed March 14, 2002 Titled "Nuclear Transfer With Selected Donor Cells"
	Co-pending United States Patent Application Serial Number 11/036,202 filed January 14, 2005 Titled "Xenotransplant for CNS Therapy"
	Examination Report to Australian Application No. 74624/00; September 21, 2004
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	Examination Report to Australian Application No. 74624/00; March 16, 2005
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